S7. SPECIAL CONDITIONS/COMPLIANCE SCHEDULE

1. The acid solutions in the metal cleaning lines shall be replaced whenever the annual analyses exceed the following concentrations:

Metal	Concentration (ppm)
Cr	4800
Cu	1360
Ni	7680

2. Alaska Copper Works shall complete construction of the chemical and waste storage area according to section S11A of this permit.

3. Alaska Copper Works shall install and maintain oil/water separator for steamcleaning parts and engines. The oil/water separator shall have a minimum capacity of 600 gallons or a 45 minute retention time, whichever is larger. Alaska Copper Works shall submit oil/water separator plans to Metro for approval and have installation completed by March 1, 1990.

4. Alaska Copper Works shall practice good housekeeping to prevent contamination of stormwater and to prevent spills to the storm sewer. Any wastewater generated from steamcleaning parking lots shall be discharged through an oil/water separator.

5. Alaska Copper Works shall submit a written report describing the changes in the collection and pretreatment system and how these changes will improve effluent quality. This report shall be submitted no later than February 1, 1990.

6. Alaska Copper Works shall develop a plan to reduce and eventually eliminate the discharge of noncontact cooling water to the municipal sewer by installing a closed loop cooling system or discharging the noncontact cooling water to waters of the state. Alaska Copper Works shall submit this plan to Metro no later than June 1, 1990.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: December 31, 1990
Date Submitted: December 6, 1990
Project: Acid Concentration, P.O.# 17913

RESULTS OF ANALYSES OF THE WATER SAMPLES FOR SELECTED METALS BY ICP
Results Reported as mg/L (ppm)

Sample #	Chromium (ppm)	Copper (ppm)	Nickel (ppm)
M17913A	11,000[ab]	730[b]	7,300[ab]
M17913B	8,300[ab]	2,000[b]	6,800[ab]
M17913C	620[ab]	36	450[ab]
Quality Assurance			
Method Blank	1.5	<0.1	1.2
M17913B (Duplicate)	8,100	2,400	6,900
M17913B (Matrix Spike) Spiked @ 50 ppm Percent Recovery	[c]	[c]	[c]

[a] - The analyte indicated was also found in the blank sample.

[b] - Value reported exceeded the calibration range established for the sample.

[c] - The amount spiked was insufficient to give meaningful recovery data.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: December 31, 1990
Date Submitted: December 6, 1990
Project: Acid Concentration, P.O.# 17913

RESULTS OF ANALYSES OF THE WATER SAMPLES FOR % ACID
Results Reported as %

Sample #	Total Acid (%)
M17913A	23%
M17913B	14%
M17913C	13%

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: December 31, 1990
Date Submitted: December 6, 1990
Project: Acid Concentration, P.O.# 17913

RESULTS OF ANALYSES OF THE WATER SAMPLES FOR SPECIFIC GRAVITY
Results Reported as g/mL

Sample #	Specific Gravity (g/mL)
M17913A	1.18
M17913B	1.24
M17913C	1.12
Quality Assurance	
Distilled Water	1.04